



FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/619,280		ATTY. DOCKET NO.: H0630-7003	
		FILING DATE: 07-14-2003		CONFIRMATION NO.: 7461	
		APPLICANT: James F. Rieke and Timothy J. Rittorf			
		GROUP ART UNIT: 3743		EXAMINER: Not Yet Assigned	
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U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

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AW		GB	424236 A		Ronald Mervyn Norton	02-18-1935	

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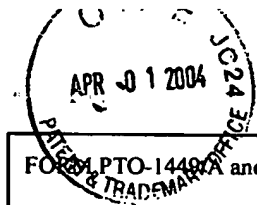
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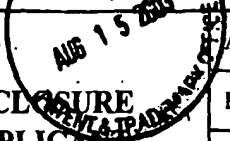
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AW		FR	2295394			07/16/1976	No
AW		FR	2608380			06/24/1988	Abstract Only

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	A9	5,329,995		Dey et al.	07-19-1994
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	C2	ARTHUR E. BERGLES, "Augmentation of Condensation," 2.6 Condensation, 2.6.6-1 – 2.7.9-5, 1983 Hemisphere Publishing Corporation.		
	C3	W.J. MARNER et al., "Augmentation of Highly Viscous Laminar Heat Transfer Inside Tubes with Constant Wall Temperature," <i>Experimental Thermal and Fluid Science</i> 1989; 2:252-267; 1989 by Elsevier Science Publishing Co., Inc., New York, NY.		
	C4	R.S. VAN ROOYAN et al., "Laminar Flow Heat Transfer in Internally Finned Tubes With Twisted-Tape Inserts," p. 577-581, University of Stellenbosch, Stellenbosch, South Africa, 1978.		
	C5	D.R. OLIVER et al., "Heat Transfer Enhancement in Round Tubes Using Wire Matrix Turbulators: Newtonian and Non-Newtonian Liquids," <i>Chem. Eng. Res. Des.</i> , Vol. 66, November 1988, pp. 555-565.		
	C6	"Fine-Fin" Product Literature, publication date unknown.		
AW	C7	"Heat Exchanger Tubes with Increased Heat Transfer," VDM Tube Division 1978.		

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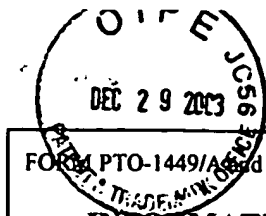
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	C9	M.H. MEHTA et al., "Heat Transfer and Frictional Characteristics of Spirally Enhanced Tubes for Horizontal Condensers," pp. 11-21, Gujarat State Fertilizers Co. Ltd. Baroda, India; Department of Chemical Engineering, Indian Institute of Technology, Powai, Bombay, India., publication date unknown	
	C10	T.C. CARNAVOS, "Heat Transfer Performance of Internally Finned Tubes in Turbulent Flow," pp. 61-67, Noranda Metal Industries, Inc., Forge-Fin Division, Newtown, Connecticut, publication date unknown	
	C11	R.L. WEBB et al., "A Parametric Analysis of the Performance of Internally Finned Tubes for Heat Exchanger Application," Department of Mechanical Engineering, The Pennsylvania State University, University Park, Pennsylvania, pp.69-77, publication date unknown	
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	C14	R.K. GUPTA et al., "Heat Transfer and Friction Characteristics of Newtonian and Power-Law Type of Non-Newtonian Fluids in Smooth and Spirally Corrugated Tubes," Solar Energy Division, Jyoti Ltd., Baroda, India; Department of Chemical Engineering, Indian Institute of Technology, Bombay, India, pp. 103-113.	
	C15	A.E. BERGLES, "Chapter 3 –Techniques to Augment Heat Transfer," pp. 3-1 – 3-80, <i>Handbook of Heat Transfer Applications</i> , Second Edition, McGraw-Hill Book Company 1985.	
	C16	T.J. RABAS, "Selection of the Energy-Efficient Enhancement Geometry for Single-Phase Turbulent Flow Inside Tubes," 1989 National Heat Transfer Conference, HTD-Vol. 108, Heat Transfer Equipment Fundamentals, Design, Applications and Operating Problems, 1989, pp. 193-204.	
	C17	R. ANTONELLI et al., "Design and Application Considerations for Heat Exchangers with Enhanced Boiling Surfaces," <i>Evaporation and Condensation</i> , 1983, pp. 175-191.	
	C18	V.H. MORCOS, "Performance of Shell-And-Dimpled-Tube Heat Exchangers for Waste Heat Recovery," <i>Heat Recovery Systems & CHP</i> , Vol. 8, No. 4, pp. 299-308, 1988, Pergamon Press plc, Great Britain.	
	C19	R. WILTZ, "Engineered Products and Good Design Combine to Improve HX Performance," reprinted from <i>Chemical Processing</i> September 1992	
AW	C20	S. YILMAZ et al., "Performance of Finned Tube Reboilers in Hydrocarbon Service," The American Society of Mechanical Engineers, New York, NY, publication date unknown	
	C21	J.A. MOORE, "Fintubes Foil Fouling for Scaling Services," pp. 8-10, <i>Chemical Processing</i> August 1974	

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